IEEE P802.11
Wireless LANs

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| LB202 some proposed resolutions for comments assigned to the author (Peter Ecclesine) |
| Date: 2014-07-16 |
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Abstract

This document contains proposed resolutions to LB202 comments assigned to the author.

R0 is CIDs 3053, 3054, 3077, 3078, 3079, 3098, 3302, 3304, 3306 and 3739.

# Comments owned by MAC, Comment Group Regulatory

| **CID** | **Page** | **Clause** | **Comment** | **Proposed Change** | **Owning Ad-hoc** |
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| 3739 | 1620.04 | 10.8.5 | "set the Local Maximum Transmit Power Unit Interpretation subfield in the Transmit Power Information field to an allowed value as defined in Annex E." Unfortunately Annex E does not refer directly to the Transmit Power Information field. So how does the reader determine what the allowed values for that subfield are? | Refer specifically to whatever in Annex E specifies the list of allowed values. | MAC |

Proposed Resolution:

Revised. As defined in 8.4.2.161 VHT Transmit Power Envelope element, the allowed values are indicated in the VHT Transmit Power Envelope element, and Operating Classes with UseEirpForVHTTxPowEnv indicate that the VHT Transmit Power Envelope are used by VHT STAs.

At 1620.04 change “shall set the Local Maximum Transmit Power Unit Interpretation subfield in the Transmit Power Information field to an allowed value as defined in Annex E.” to “set the Local Maximum Transmit Power Unit Interpretation subfield in the Transmit Power Information field to an allowed value for Operating Classes with behavior UseEirpForVHTTxPowEnv in Annex E.1."

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| 3306 | 3316.25 | E.1 | E.1 text before Table E-4 should be modified to also refer to Table E-5 China. | Change to "Operating classes for operation anywhere in the world are enumerated in Table E-4 (Global operating classes), and are used in addition to the operating classes enumerated in Table E-1 (Operating classes in the United States), Table E-2 (Operating classes in Europe), Table E-3 (Operating classes in Japan) and Table E-5 (Operating classes in China) (see 8.4.2.53 (Supported Operating Classes element))." | MAC |

Proposed Resolution:

Accepted. As 802.11ac added Table E-5, it should be mentioned in E.1 text.

At 3316.25 change “Operating classes for operation anywhere in the world are enumerated in Table E-4 (Global operating classes), and are used in addition to the operating classes enumerated in Table E-1 (Operating classes in the United States), Table E-2 (Operating classes in Europe), and Table E-3 (Operating classes in Japan) (see

8.4.2.53 (Supported Operating Classes element))” to “Operating classes for operation anywhere in the world are enumerated in Table E-4 (Global operating classes), and are used in addition to the operating classes enumerated in Table E-1 (Operating classes in the United States), Table E-2 (Operating classes in Europe), Table E-3 (Operating classes in Japan) and Table E-5 (Operating classes in China) (see 8.4.2.53 (Supported Operating Classes element))”.

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| 3304 | 3307.09 | D.2.5 | The second sentence of D.2.5 should indicate that the CCA-ED values in the PHY clauses are not regulatory limits, they are default values. | Change to "Default CCA-ED thresholds for operation in license-exempt bands are stated in PHY clauses." | MAC |

Proposed Resolution:

Accepted. The CCA-ED values in PHY clauses may not be the values stated in any regulations, and are just default values.

At 3307.09 change “CCA-ED thresholds for operation in license-exempt bands are stated in PHY clauses” to “Default CCA-ED thresholds for operation in license-exempt bands are stated in PHY clauses”.

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| 3302 | 3300.42 | D.1 | China now allows 5150-5350 MHz unlicensed operation (see Table E-5), and the directive name should be listed in Table D-1. | Find the name of the appropriate 5 GHz directive and put it in Table D-1 | MAC |

Proposed Resolution:

Rejected. The name of the appropriate 5 GHz directive for 5150-5350 MHz in China is (工信部无函〔2012〕620号) {Gong Xin Bu Wu Han [2012] #620}, as given at page 3300 line 42 of Draft 3.0.

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| 3098 | 1626.58 | 10.9.8.2 | "shall satisfy applicable regulatory"CID 2161 established the precedent of deleting such normative statements. | Delete this any any similar statements. | MAC |

Proposed Resolution:

Accepted. The commented phrase appears at 10.9.8.2, 10.9.8.4.1, and not “applicable regulatory” text is in the body of the draft.

At 1626.57 and 1629.12 delete the sentence beginning “The algorithm to choose a new channel is beyond the scope of this standard, but shall satisfy applicable”.

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| 3079 | 3316.61 | E.1 | The insertion by .11af (classes 85-87) cites three non-global operating classes that do not appear in any non-global table. | Remove the references, or replace them with references to valid nonglobal operating classes. | MAC |

Proposed Resolution:

Revised. We choose to remove the references so as to restrict use to only the Global Operating Classes in TVWS bands.

At 3316.61, 63 and 65 delete the non-global operating class value.

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| 3078 | 3310.42 | E.1 | "The channel spacing for operating classes 128, 129, and 130 is for the supported bandwidth rather than the operating channel width." This clearly made sense to its authors, but I can make no sense of it. | Reword to something I can understand. For example, replace "is for" with "specifies". | MAC |

Proposed Resolution:

Accepted.

At 3310.42 change "The channel spacing for operating classes 128, 129, and 130 is for the supported bandwidth…"to "The channel spacing for operating classes 128, 129, and 130 specifies the supported bandwidth...".

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| 3077 | 3308.46 | E.1 | The channel center frequency index column added by .11ac does not specify values for some rows, and specifies a dash as some rows without defining the meaning of this terminology. | Add a description here of the interpretation of blank and dash entries, or update the tables to provide values for all rows. | MAC |

Proposed Resolution:

Revised. We choose to add a description for the case where the allowed index values are determined by the regulatory domain.

At 3308.47 insert “A ‘—‘ in the channel center frequency index row indicates that the value depends on regulation or that the values in the channel set apply to this operating class.”

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| 3054 | 3308.44 | E.1 | .11ac has introduced a dash for the channel set of some rows without defining its meaning. | Add to 3308.44 any description of the meaning of a dash for channel set. | MAC |

Proposed Resolution:

Accepted.

At 3308.44 insert “A ‘—‘ in the channel center frequency index row indicates that the value depends on regulation or that the values in the channel center frequency index apply to this operating class.”

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| 3053 | 3308.40 | E.1 | .11ac may have changed the interpretation of the "Channel spacing" field (see "The channel spacing for operating classes 22 to 33 is for the supported channel width" at 3361.42). If so, that changed interpretation should be defined here. | Recommend introducing terms here that relate to the different possible interpretations of this field. Then reference those terms from the operating class tables. | MAC |

Proposed Resolution:

Revised. Channel spacing value is not changed, the .11ac notes use the HT, VHT and TVHT specific term “operating channel width” because it can be one of several values, the largest of which is the “supported channel width.”

At 3316.42 insert “For PHYs with defined supported channel widths, channel spacing is the supported channel width used with this operating class.”

At 3310.41 change “supported bandwidth” to “supported channel width”.